

What is claimed is:

1. An apparatus for converting a rotational movement to a linear movement, comprising:
 - a lead screw, and
 - a slider having a first protrusion and a second protrusion which are inserted into the groove of said lead screw,
 - wherein said first protrusion is adapted to substantially tightly fit into the groove of said lead screw whereby the rotational movement of said lead screw is converted into the linear movement of said slider; and
 - wherein the second protrusion is adapted to remain in the groove of the lead screw even if the first protrusion is moved out of the thread of said lead screw.

2. The apparatus of claim 1, wherein the second protrusion is adapted not to contact the lead screw when the first protrusion is in a normal position.

3. The apparatus of claim 1, wherein the first protrusion and the second protrusion are formed separately such that movement of the first protrusion along the radial direction of the lead screw does not cause the second protrusion to become separated from the screw groove of the lead screw.

4. The apparatus of claim 1, wherein said slider further comprises a first extension portion on which the first protrusion is formed, and a second extension portion on which the second protrusion is formed.

5. The apparatus of claim 4, wherein the second extension portion extends in a different direction from the first extension portion.

6. The apparatus of claim 4, further comprising a support portion adapted to support the second extension portion such that a designated minimum force is required to separate said second protrusion from the groove of said lead screw.

7. A disc drive comprising:
a deck having a lead screw thereon.
a pickup having a slider which is coupled to the lead screw, whereby said pickup is installed movably on said deck,
wherein said slider comprises a first protrusion adapted to substantially tightly fit into the groove of said lead screw and a second protrusion adapted to have such a thickness that the second protrusion is in the groove even though the first protrusion is on the thread of said lead screw.

8. The apparatus of claim 7, wherein the second protrusion is adapted not to contact the lead screw when the first protrusion is in a normal position.

9. The apparatus of claim 7, wherein the first protrusion and the second protrusion are formed separately such that movement of the first protrusion along the radial direction of the lead screw does not cause the second protrusion to become separated from the screw groove of the lead screw.

10. The apparatus of claim 7, wherein said slider further comprises a first extension portion on which the first protrusion is formed, and a second extension portion on which the second protrusion is formed.

11. The apparatus of claim 10, wherein the second extension portion extends in a different direction from the first extension portion.

12. The apparatus of claim 10, further comprising a support portion adapted to support the second extension portion such that a designated minimum force is required to separate said second protrusion from the groove of said lead screw.